WEST Search History

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DATE: Thursday, October 28, 2004

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☐	L19	L18 and (gene or nucleic acid or dna or cdna)	181
☐	L18	L17 or l16 or l15 or l14	182
☐	L17	L13 and uriolide	5
☐	L16	L13 and ($7sporene or peridinin or phytoene or rhodopin or spheroiden$4)	98
☐	L15	L13 and (echinenone or cryptoxanthin or $13xanthin or isorenieratene or lutein or lycopene)	86
☐	L14	L13 and (carotenoid$1 or carotene or zeaxanthin or antheraxin or adonixanthin or astaxanthin or canthaxanthin or capsorrubrin)	45
☐	L13	(methylotroph$3 or methylomonas) and (methane or methanol)	2307
		DB=USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ	
☐	L12	L10 and (echinenone or cryptoxanthin or $13xanthin or isorenieratene or lutein or lycopene)	15
☐	L11	L10 and (carotenoid$1 or carotene or zeaxanthin or antheraxin or adonixanthin or astaxanthin or canthaxanthin or capsorrubrin)	21
☐	L10	(methylotroph$3 or methylomonas) and (methane or methanol)	667
☐	L9	L8 and (methane or methanol)	30
☐	L8	L7 and (gene or nucleic acid or DNA or cdna)	38
☐	L7	l4 or l5 or L6	40
☐	L6	L1 and uriolide	1
☐	L5	L1 and ($7sporene or peridinin or phytoene or rhodopin or spheroiden$4)	25
☐	L4	L3 or l2	31
☐	L3	L1 and (echinenone or cryptoxanthin or $13xanthin or isorenieratene or lutein or lycopene)	21
☐	L2	L1 and (carotenoid$1 or carotene or zeaxanthin or antheraxin or adonixanthin or astaxanthin or canthaxanthin or capsorrubrin)	28
☐	L1	methylotroph$3 or methylomonas	1002

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Search Results - Record(s) 1 through 20 of 30 returned.

☐ 1. Document ID: US 6773905 B2

Using default format because multiple data bases are involved.

L9: Entry 1 of 30 File: USPT Aug 10, 2004

US-PAT-NO: 6773905
DOCUMENT-IDENTIFIER: US 6773905 B2

TITLE: Methanotrophic carbon metabolism pathway genes and enzymes

DATE-ISSUED: August 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koffas; Mattheos	Wilmington	DE		
Norton; Kelley C.	Avondale	PA		
Odom; James M.	Kennett Square	PA		
Ye; Rick W.	Wilmington	DE		

US-CL-CURRENT: 435/194

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 6767744 B2

L9: Entry 2 of 30 File: USPT Jul 27, 2004

US-PAT-NO: 6767744
DOCUMENT-IDENTIFIER: US 6767744 B2

TITLE: Methanotrophic carbon metabolism pathway genes and enzymes

DATE-ISSUED: July 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koffas; Mattheos	Wilmington	DE		
Norton; Kelley C.	Avondale	PA		
Odom; James M.	Kennett Square	PA		
Ye; Rick W.	Wilmington	DE		

US-CL-CURRENT: 435/471; 435/194, 435/252.3, 435/440, 435/476, 536/23.2

ABSTRACT:

Genes have been isolated from a Methylomonas sp encoding enzymes in the carbon flux pathway. The genes encode a 2-keto-3-deoxy-6-phosphogluconate (KDPGA) and a fructose bisphosphate aldolase (FFBPA), as well as numerous other genes. The genes will be useful in C1 metabolizing microorganisms for the manipulation of the carbon flux pathway.

5 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 3. Document ID: US 6689601 B2

L9: Entry 3 of 30 File: USPT Feb 10, 2004

US-PAT-NO: 6689601
DOCUMENT-IDENTIFIER: US 6689601 B2

TITLE: High growth methanotropic bacterial strain

DATE-ISSUED: February 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koffas; Mattheos	Wilmington	DE		
Odom; James M.	Kennett Square	PA		
Schenzle; Andreas	Zurich			CH

US-CL-CURRENT: 435/247; 435/232, 435/248, 435/250, 435/252.1, 435/71.1, 536/24.1

ABSTRACT:

A high growth methanotrophic bacterial strain capable of growth on a C1 carbon substrate has been isolated and characterized. The strain has the unique ability to utilize both methane and methanol as a sole carbon source and has been demonstrated to possess a functional Embden-Meyerhof carbon flux pathway. The possession of this pathway conveys an energetic advantage to the strain, making it particularly suitable as a production platform for the production of biomass from a C1 carbon source.

14 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

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☐ 4. Document ID: US 6660507 B2

L9: Entry 4 of 30 File: USPT Dec 9, 2003

US-PAT-NO: 6660507
DOCUMENT-IDENTIFIER: US 6660507 B2

TITLE: Genes involved in isoprenoid compound production

DATE-ISSUED: December 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cheng; Qiong	Wilmington	DE		
Koffas; Mattheos	Wilmington	DE		
Norton; Kelley C.	Avondale	PA		
Odom; James M.	Kennett Square	PA		
Picataggio; Stephen K.	Landenberg	PA		
Schenzle; Andreas	Zurich			CH
Tomb; Jean-Francois	Wilmington	DE		
Rouviere; Pierre E.	Wilmington	DE		

US-CL-CURRENT: 435/166; 435/167, 435/183, 435/252.3, 435/254.2, 435/325, 536/23.2

ABSTRACT:

Genes have been isolated from Methylomonas 16a sp. encoding the isoprenoid biosynthetic pathway. The genes and gene products are the first isolated from a Methylomonas strain that is capable of utilizing single carbon (C1) substrates as energy sources. The genes and gene products of the present invention may be used in a variety of ways for the production of isoprenoid compounds in a variety of organisms.

8 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full | Title | Citation | Front | Review | Classification | Date | Reference | [illegible] | Claims | KWMC | Draw D

☐ 5. Document ID: US 6642196 B2

L9: Entry 5 of 30 File: USPT Nov 4, 2003

US-PAT-NO: 6642196
DOCUMENT-IDENTIFIER: US 6642196 B2

TITLE: Method of delivering a benefit agent

DATE-ISSUED: November 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Howell; Steven	Sharnbrook			GB

Little; Julie	Sharnbrook	GB
Van Der Logt; Cornelis Paul	Vlaardingen	NL
Parry; Neil James	Sharnbrook	GB

US-CL-CURRENT: 510/392; 510/119, 510/122, 510/130, 510/137, 510/138, 510/141, 510/151, 510/158, 510/159, 510/283, 510/286, 510/299, 510/300, 510/302, 510/303, 510/305, 510/308, 510/343, 510/372, 510/374, 510/375, 510/379, 510/380, 510/394

ABSTRACT:

There is provided a method of delivering a benefit agent whereby a benefit agent is first loaded to a surface and subsequently unloaded and transferred and delivered to a second surface. More in particular, the benefit agent is first loaded onto a garment during a laundering process, and subsequently delivered to another surface. The benefit agents can be fragrance agents, perfumes, colour enhancers, fabric softening agents, polymeric lubricants, photoprotective agents, latexes, resins, dye fixative agents, encapsulated materials, antioxidants, insecticides, soil repelling agents, soil release agents, and cellulose fibers.

24 Claims, 14 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 12

☐ 6. Document ID: US 6642041 B2

L9: Entry 6 of 30 File: USPT Nov 4, 2003

US-PAT-NO: 6642041
DOCUMENT-IDENTIFIER: US 6642041 B2
**** See image for Certificate of Correction ****

TITLE: Polynucleotides encoding a novel metalloprotease, MP-1

DATE-ISSUED: November 4, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; Jian	Princeton	NJ		
Feder; John N.	Belle Mead	NJ		
Nelson; Thomas C.	Lawrenceville	NJ		
Krystek; Stanley R.	Ringoes	NJ		
Duclos; Franck	Washington Crossing	PA		

US-CL-CURRENT: 435/226; 435/219, 435/252.3, 435/320.1, 536/23.2

ABSTRACT:

The present invention provides novel polynucleotides encoding MP-1 polypeptides, fragments and homologues thereof. Also provided are vectors, host cells, antibodies, and recombinant and synthetic methods for producing said polypeptides.

The invention further relates to diagnostic and therapeutic methods for applying these novel MP-1 polypeptides to the diagnosis, treatment, and/or prevention of various diseases and/or disorders related to these polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present invention.

24 Claims, 18 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 18

☐ 7. Document ID: US 6579842 B2

L9: Entry 7 of 30 File: USPT Jun 17, 2003

US-PAT-NO: 6579842
DOCUMENT-IDENTIFIER: US 6579842 B2

TITLE: Method of treating fabrics

DATE-ISSUED: June 17, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Howell; Steven	Shambrook			GB
Little; Julie	Shambrook			GB
Van Der Logt; Cornelis Paul	Vlaardingen			NL
Parry; Neil James	Shambrook			GB

US-CL-CURRENT: 510/392; 510/119, 510/122, 510/130, 510/137, 510/138, 510/141, 510/151, 510/158, 510/159, 510/286, 510/299, 510/300, 510/302, 510/303, 510/305, 510/308, 510/372, 510/374, 510/375, 510/379, 510/380, 510/383, 510/393, 510/394

ABSTRACT:

A method of delivering a benefit agent to fabric for exerting a pre-determined activity, wherein the fabric is pre-treated with a multi-specific binding molecule which has a high binding affinity to the fabric through one specificity and is capable of binding to the benefit agent through another specificity, followed by contacting the pre-treated fabric with the benefit agent, to enhance the pre-determined activity to the fabric. Preferably, the binding molecule is an antibody or fragment thereof, or a fusion protein comprising a cellulose binding domain and a domain having a high binding affinity to another ligand which is directed to said benefit agent. The method is useful for example for stain removal, perfume delivery, and treating collars and cuffs for wear.

21 Claims, 12 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 12

☐ 8. Document ID: US 6555353 B2

L9: Entry 8 of 30 File: USPT Apr 29, 2003

US-PAT-NO: 6555353
DOCUMENT-IDENTIFIER: US 6555353 B2

TITLE: Methanotrophic carbon metabolism pathway genes and enzymes

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koffas; Mattheos	Wilmington	DE		
Norton; Kelley C.	Avondale	PA		
Odom; James M.	Kennett Square	PA		
Ye; Rick W.	Hockessin	DE		

US-CL-CURRENT: 435/194; 435/252.3, 435/252.31, 435/252.33, 435/252.34, 435/252.35, 435/254.11, 435/254.2, 435/254.21, 435/254.22, 435/254.23, 435/254.3, 435/320.1, 536/23.2

ABSTRACT:

Genes have been isolated from a Methylomonas sp encoding enzymes in the carbon flux pathway. The genes encode a 2-keto-3-deoxy-6-phosphogluconate (KDPGA) and a fructose bisphosphate aldolase (FFBPA), as well as numerous other genes. The genes will be useful in C1 metabolizing microorganisms for the manipulation of the carbon flux pathway.

7 Claims, 1 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 9. Document ID: US 6518013 B1

L9: Entry 9 of 30 File: USPT Feb 11, 2003

US-PAT-NO: 6518013
DOCUMENT-IDENTIFIER: US 6518013 B1

TITLE: Methods for the inhibition of epstein-barr virus transmission employing anti-viral peptides capable of abrogating viral fusion and transmission

DATE-ISSUED: February 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY

Barney; Shawn O'Lin	Cary	NC
Lambert; Dennis Michael	Cary	NC
Petteway; Stephen Robert	Cary	NC

US-CL-CURRENT: 435/5; 424/230.1, 530/300, 530/324, 530/325, 530/326

ABSTRACT:

Fusion of the viral envelope, or infected cell membranes with uninfected cell membranes, is an essential step in the viral life cycle. Recent studies involving the human immunodeficiency virus type 1(HIV-1) demonstrated that synthetic peptides (designated DP-107 and DP-178) derived from potential helical regions of the transmembrane (TM) protein, gp41, were potent inhibitors of viral fusion and infection. A computerized antiviral searching technology (C.A.S.T.) that detects related structural motifs (e.g., ALLMOTI 5, 107.times.178.times.4, and PLZIP) in other viral proteins was employed to identify similar regions in the Epstein-Barr virus (EBV). Several conserved heptad repeat domains that are predicted to form coiled-coil structures with antiviral activity were identified in the EBV genome. Synthetic peptides of 16 to 39 amino acids derived from these regions were prepared and their antiviral activities assessed in a suitable in vitro screening assay. These peptides proved to be potent inhibitors of EBV fusion. Based upon their structural and functional equivalence to the known HIV-1 inhibitors DP-107 and DP-178, these peptides should provide a novel approach to the development of targeted therapies for the treatment of EBV infections.

22 Claims, 84 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

☐ 10. Document ID: US 6479055 B1

L9: Entry 10 of 30 File: USPT Nov 12, 2002

US-PAT-NO: 6479055
DOCUMENT-IDENTIFIER: US 6479055 B1
**** See image for Certificate of Correction ****

TITLE: Methods for inhibition of membrane fusion-associated events, including respiratory syncytial virus transmission

DATE-ISSUED: November 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bolognesi; Dani Paul	Durham	NC		
Matthews; Thomas James	Durham	NC		
Wild; Carl T.	Durham	NC		
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

Langlois; Alphonse J. Durham NC

US-CL-CURRENT: 424/211.1; 424/186.1, 530/324

ABSTRACT:

The present invention relates to peptides which exhibit potent anti-viral activity. In particular, the invention relates to methods of using such peptides as inhibitory of respiratory syncytial virus ("RSV") transmission to uninfected cells. The peptides used in the methods of the invention are homologs of the DP-178 and DP-107 peptides, peptides corresponding to amino acid residues 638 to 673, and to amino acid residues 558 to 595, respectively, of the HIV-1.sub.LAI transmembrane protein (TM) gp41.

44 Claims, 84 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

☐ 11. Document ID: US 6228983 B1

L9: Entry 11 of 30 File: USPT May 8, 2001

US-PAT-NO: 6228983
DOCUMENT-IDENTIFIER: US 6228983 B1
**** See image for Certificate of Correction ****

TITLE: Human respiratory syncytial virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 530/300; 424/186.1, 424/211.1, 530/324, 530/325, 530/326

ABSTRACT:

The present invention relates to peptides which exhibit antifusogenic and antiviral activities. The peptides of the invention consist of a 16 to 39 amino acid region of a human respiratory syncytial virus protein. These regions were identified through computer algorithms capable of recognizing the ALLMOTI5, 107x178x4, or PLZIP amino acid motifs. These motifs are associated with the antifusogenic and antiviral activities of the claimed peptides.

62 Claims, 84 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 12. Document ID: US 6228623 B1

L9: Entry 12 of 30 File: USPT May 8, 2001

US-PAT-NO: 6228623
DOCUMENT-IDENTIFIER: US 6228623 B1

TITLE: Polyhydroxyalkanoates of narrow molecular weight distribution prepared in transgenic plants

DATE-ISSUED: May 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asrar; Jawed	Chesterfield	MO		
Mitsky; Timothy A.	Maryland Heights	MO		
Shah; Devang T.	Chesterfield	MO		

US-CL-CURRENT: 435/135; 435/155, 435/157, 435/158, 528/1, 530/200

ABSTRACT:

Methods for the biosynthesis of polyhydroxyalkanoate homopolymers and copolymers are described. In a preferred embodiment, the polymers have a single mode molecular weight distribution, and more preferably have a distribution of between about 2 and about 4, and most preferably about 2.1 or 2.5.

15 Claims, 27 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 27

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 13. Document ID: US 6093794 A

L9: Entry 13 of 30 File: USPT Jul 25, 2000

US-PAT-NO: 6093794
DOCUMENT-IDENTIFIER: US 6093794 A

TITLE: Isolated peptides derived from the Epstein-Barr virus containing fusion inhibitory domains

DATE-ISSUED: July 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY

Barney; Shawn O'Lin	Cary	NC
Lambert; Dennis Michael	Cary	NC
Petteway; Stephen Robert	Cary	NC

US-CL-CURRENT: 530/300; 424/186.1, 424/230.1, 530/324, 530/325, 530/326, 530/350

ABSTRACT:

The present invention relates to peptides which exhibit potent

anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

27 Claims, 52 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

☐ 14. Document ID: US 6091002 A

L9: Entry 14 of 30 File: USPT Jul 18, 2000

US-PAT-NO: 6091002
DOCUMENT-IDENTIFIER: US 6091002 A

TITLE: Polyhydroxyalkanoates of narrow molecular weight distribution prepared in transgenic plants

DATE-ISSUED: July 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asrar; Jawed	Chesterfield	MO		
Mitsky; Timothy A.	Maryland Heights	MO		
Shah; Devang T.	Chesterfield	MO		

US-CL-CURRENT: 800/288; 435/135, 800/260

ABSTRACT:

Methods for the biosynthesis of polyhydroxyalkanoate homopolymers and copolymers are described. In a preferred embodiment, the polymers have a single mode molecular weight distribution, and more preferably have a distribution of between about 2 and about 4, and most preferably about 2.1 or 2.5.

17 Claims, 29 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 27

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw. De

☐ 15. Document ID: US 6068973 A

L9: Entry 15 of 30 File: USPT May 30, 2000

US-PAT-NO: 6068973
DOCUMENT-IDENTIFIER: US 6068973 A

TITLE: Methods for inhibition of membrane fusion-associated events, including influenza virus

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 424/147.1, 424/206.1, 424/230.1, 530/324, 530/389.4

ABSTRACT:

The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

5 Claims, 52 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw. De

☐ 16. Document ID: US 6060065 A

L9: Entry 16 of 30 File: USPT May 9, 2000

US-PAT-NO: 6060065
DOCUMENT-IDENTIFIER: US 6060065 A

TITLE: Compositions for inhibition of membrane fusion-associated events, including influenza virus transmission

DATE-ISSUED: May 9, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/209.1; 424/186.1, 424/192.1, 424/206.1, 530/300, 530/324, 530/325, 530/326, 530/327, 530/328, 530/329 , 530/330

ABSTRACT:

The present invention relates to viral peptides referred to as "DP107- and DP178-like" peptides. Specifically, the invention relates to isolated influenza A DP107- and DP178-like peptides which are identified by sequence search motif algorithms. The peptides of the invention exhibit antiviral activity believed to result from inhibition of viral induced fusogenic events.

5 Claims, 84 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

☐ 17. Document ID: US 6054265 A

L9: Entry 17 of 30 File: USPT Apr 25, 2000

US-PAT-NO: 6054265
DOCUMENT-IDENTIFIER: US 6054265 A

TITLE: Screening assays for compounds that inhibit membrane fusion-associated events

DATE-ISSUED: April 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway, Jr.; Stephen Robert	Cary	NC		

US-CL-CURRENT: 435/5; 435/7.2

ABSTRACT:

The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

1 Claims, 83 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 18. Document ID: US 6017536 A

L9: Entry 18 of 30 File: USPT Jan 25, 2000

US-PAT-NO: 6017536
DOCUMENT-IDENTIFIER: US 6017536 A

TITLE: Simian immunodeficiency virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 25, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		
Langlois; Alphonse J.	Durham	NC		

US-CL-CURRENT: 424/188.1; 424/208.1, 530/300, 530/324, 530/325, 530/326

ABSTRACT:

The present invention relates to peptides which exhibit antifusogenic and antiviral activities. The peptides of the invention consist of a 16 to 39 amino acid region of a simian immunodeficiency virus (SIV) protein. These regions were identified through computer algorithms capable of recognizing the ALLMOTI5, 107.times.178.times.4, or PLZIP amino acid motifs. These motifs are associated with the antifusogenic and antiviral activities of the claimed peptides.

28 Claims, 50 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 62

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D

☐ 19. Document ID: US 6013263 A

L9: Entry 19 of 30 File: USPT Jan 11, 2000

US-PAT-NO: 6013263
DOCUMENT-IDENTIFIER: US 6013263 A

TITLE: Measles virus peptides with antifusogenic and antiviral activities

DATE-ISSUED: January 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barney; Shawn O'Lin	Cary	NC		
Lambert; Dennis Michael	Cary	NC		
Petteway; Stephen Robert	Cary	NC		

US-CL-CURRENT: 424/212.1; 424/184.1, 424/186.1, 530/300, 530/324, 530/325, 530/326

ABSTRACT:

The present invention relates to peptides which exhibit potent anti-retroviral activity. The peptides of the invention comprise DP178 (SEQ ID:1) peptide corresponding to amino acids 638 to 673 of the HIV-1.sub.LAI gp41 protein, and fragments, analogs and homologs of DP178. The invention further relates to the uses of such peptides as inhibitory of human and non-human retroviral, especially HIV, transmission to uninfected cells.

38 Claims, 52 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 83

☐ 20. Document ID: US 5959179 A

L9: Entry 20 of 30 File: USPT Sep 28, 1999

US-PAT-NO: 5959179
DOCUMENT-IDENTIFIER: US 5959179 A

TITLE: Method for transforming soybeans

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hinchee; Maud Ann Wrightson	Wildwood	MO		
Clemente; Thomas Elmo	Chesterfield	MO		
Connor-Ward; Dannette Vaudrilyn	St. Charles	MO		
Fedele; Mary Jacqueline	Ballwin	MO		
Fry; Joyce Ellen	St. Louis	MO		
Howe; Arlene R.	Ballwin	MO		
Rozman; Renee Jean	Lusby	MD		

US-CL-CURRENT: 800/298; 435/419, 435/468, 800/278

ABSTRACT:

Methods and materials for the production of transgenic soybeans are disclosed.

Preparation of explants from specific regions of soybean seedlings resulted in improved transformation efficiencies. Incubation of soybean seedlings between about 0.degree. C. and about 10.degree. C. prior to preparing explants was found to be further beneficial to the preparation of transgenic soybeans.

1 Claims, 22 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 22

Terms	Documents
L8 and (methane or methanol)	30